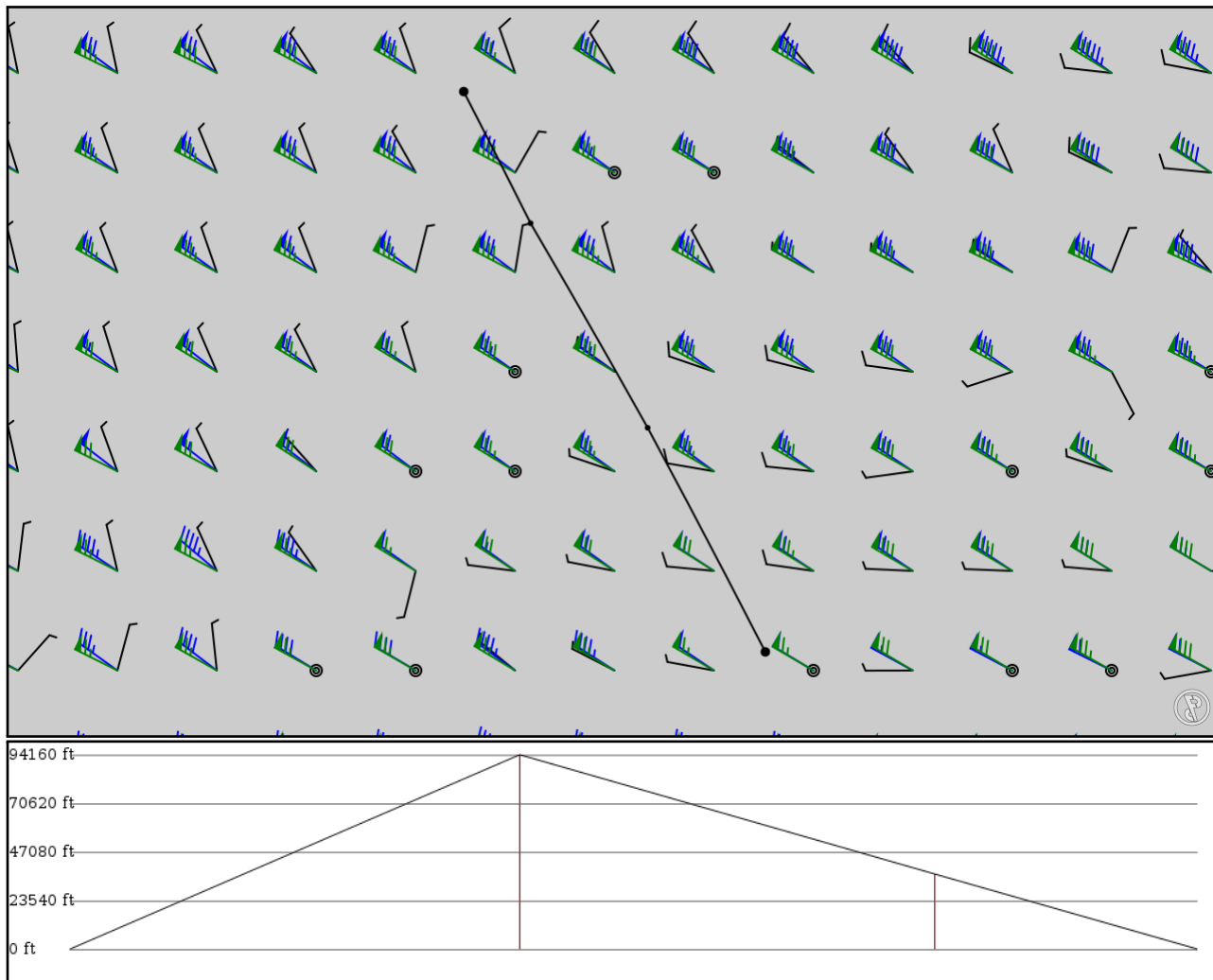


2024/05/07 1223Z

KGRR MBL V271 WINEP KSAW

223.34 nm / 413.62 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: yes
- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KGRR	-	42.88220	0 ft	-	Gerald R Ford Intl
APT	-	-85.52390	0 m		
MBL	-	44.27060	28,700 ft	89	MANISTEE
VOR	-	-86.25400	8,748 m		
WINEP	V271	45.53790	11,100 ft	82	-
FIX	AWY-LO	-86.98070	3,383 m		
KSAW	-	46.35360	0 ft	51	SAWYER INTL
APT	-	-87.39540	0 m		

KGRR

Region: UNITED STATES
Timezone: AMERICA/DETROIT
Runways: 3

Elevation: 791 ft / 241 m
Location: 42.882200 -85.523900
Magnetic Var: 6.026 W

METAR

KGRR 071153Z 11009KT 10SM BKN026 OVC250 13/04 A2982 RMK A02 SLP096 7//// T01280039 10128 20100 56006 \$

TAF

KGRR 071140Z 0712/0812 10010KT P6SM BKN028 FM071700 12010G20KT P6SM VCSH OVC035 FM072100 14010G18KT P6SM -SHRA BK

Frequencies

REC - 118.72 MHz - ATIS	COM - 122.95 MHz - UNICOM
COM - 135.65 MHz - CTAF	CLD - 119.30 MHz - CLNC DEL
GND - 121.80 MHz -	TWR - 135.65 MHz - GRAND RAPIDS TWR
APP - 128.40 MHz - GRAND RAPIDS APP/DEP	APP - 124.60 MHz - GRAND RAPIDS APP/DEP

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
08R	151 ft	9,977 ft	81.26	CONCRETE	0 ft	200 ft
	46 m	3,041 m	87.29		0 m	61 m
26L	151 ft	9,977 ft	261.29	CONCRETE	0 ft	200 ft
	46 m	3,041 m	267.31		0 m	61 m
17	151 ft	8,510 ft	171.34	CONCRETE	0 ft	203 ft
	46 m	2,594 m	177.36		0 m	62 m
35	151 ft	8,510 ft	351.34	CONCRETE	0 ft	200 ft
	46 m	2,594 m	357.36		0 m	61 m
08L	98 ft	4,988 ft	81.28	CONCRETE	0 ft	0 ft
	30 m	1,520 m	87.30		0 m	0 m
26R	98 ft	4,988 ft	261.29	CONCRETE	0 ft	0 ft
	30 m	1,520 m	267.31		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08R	LOC-ILS	ICYZ	108.30 MHz	18 nm	81.27	-	791 ft
				33 km	87.30		791 m
26L	LOC-ILS	IGRR	109.70 MHz	18 nm	261.27	-	791 ft
				33 km	267.30		791 m
35	LOC-ILS	IDVS	111.90 MHz	18 nm	351.33	-	791 ft
				33 km	357.36		791 m
08R	GS	ICYZ	108.30 MHz	10 nm	81.27	3.00	791 ft
				19 km	87.30		791 m
26L	GS	IGRR	109.70 MHz	10 nm	261.27	3.00	791 ft
				19 km	267.30		791 m
35	GS	IDVS	111.90 MHz	10 nm	351.33	3.00	791 ft
				19 km	357.36		791 m

KSAW

Region: UNITED STATES
Timezone: AMERICA/DETROIT
Runways: 1

Elevation: 1,221 ft / 372 m
Location: 46.353600 -87.395400
Magnetic Var: 5.151 W

METAR

KSAW 071147Z 15007KT 10SM CLR 10/05 A2980

TAF

TAF KSAW 071136Z 0712/0812 14007KT P6SM FEW240 FM071600 13014G23KT P6SM SCT240 FM072100 13010G18KT P6SM -SHRA OVC

Frequencies

REC - 118.37 MHz - AWOS 3
COM - 122.70 MHz - UNICOM
TWR - 119.97 MHz -

COM - 119.97 MHz - CTAF
GND - 121.65 MHz -

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
01	151 ft	12,377 ft	8.93	ASPHALT	0 ft	928 ft
	46 m	3,772 m	14.08		0 m	283 m
19	151 ft	12,377 ft	188.93	ASPHALT	0 ft	1,001 ft
	46 m	3,772 m	194.08		0 m	305 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01	LOC-ILS	ISOU	110.10 MHz	18 nm	8.94	-	1,221 ft
				33 km	14.09		1,221 m
01	GS	ISOU	110.10 MHz	10 nm	9.86	3.00	1,221 ft
				19 km	15.01		1,221 m